

A.S.H.

11151

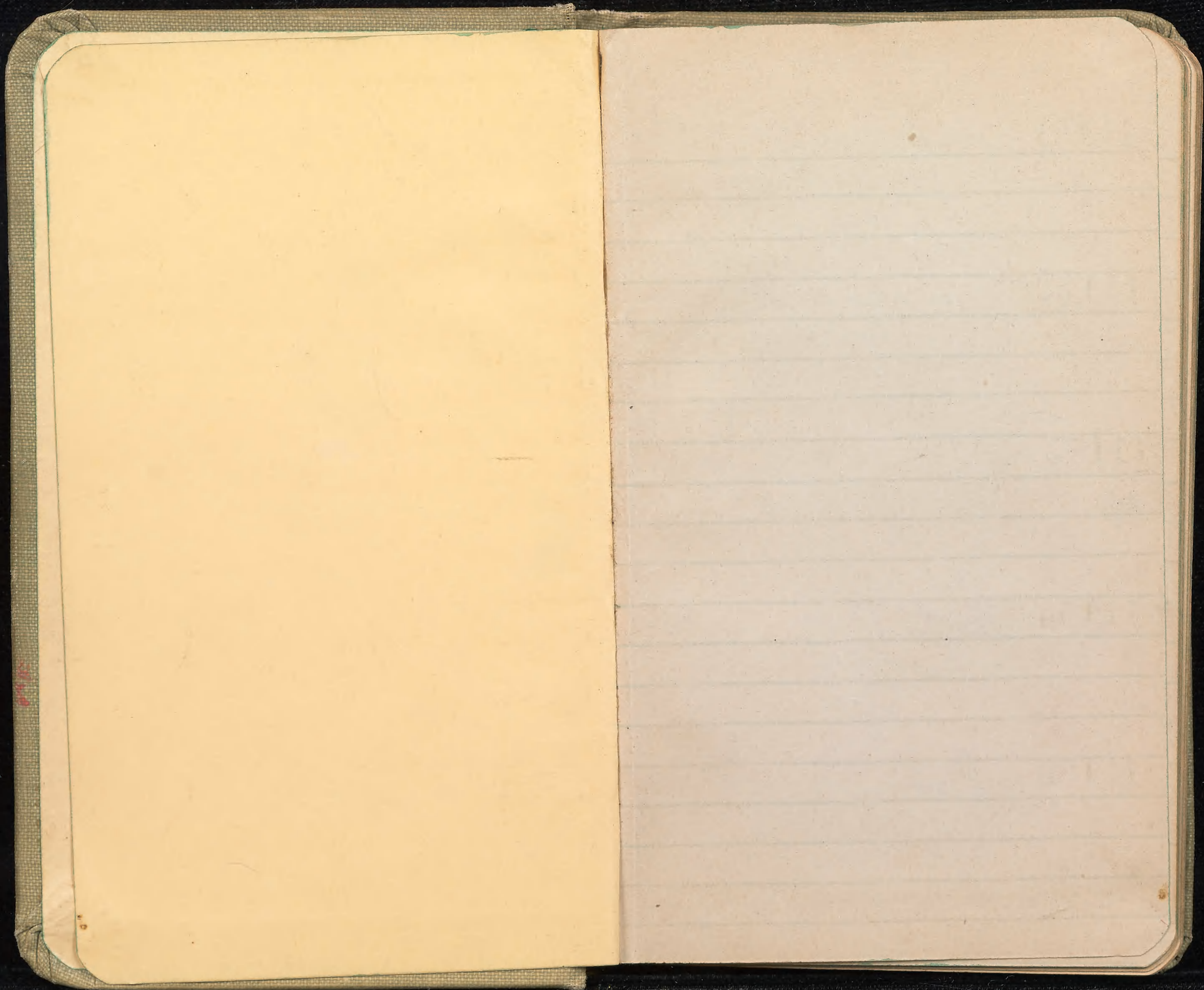
11625

20











Hot Springs, S.D.

*Elymus condensatus* Presl

11151

*Elymus condensatus*

11152

*Panicum penicillatum* Nash  
*Panicum Scribnerianum*

11153

*Poa compressa* L.  
*Poa compressa*

11154

*Stipa viridula* Trin  
*Stipa viridula*

11155

*Bromus japonicus*  
*Bromus japonicus*

June 28, 1914

Valley - along stream

Open ground - valley

Grass land - valley

Grass land - valley

Along Ry fall -



11156

*Bromus*  
*marginalis*

Along Ry. fall. III

11157

*Agropyron smithii*  
*Agropyron*

Grass land - valley

11158

*Helena cristata*  
*Helena*  
*cristata*

Hills among open  
pine woods III

11159

*Agropyron albicans*  
*Agropyron*

Dry hillside among  
shrubs. III

11160

*Poa*  
*lucida*

ditto III



11161 *Elymus arenarius*  
*Hordeum pusillum*  
*Hordeum*  
*pusillum*

Open gravel valley

11162 *Hordeum caespitosum*  
*Hordeum*  
*caespitosum*

Moist ground along stream

11163 *Sphenopholis obtusata lobata*  
*Sphenopholis*  
*obtusata*  
*lobata*

Moist ground along stream

11164 *Bromus secalinus*  
*Bromus*  
*secalinus*

Little

11165 *Elymus canadensis*  
*Elymus*  
*canadensis*

Shaded bank valley



11166 *Avena fatua*  
*Avena fatua*

Weed along Ry.

11167 *Chaetochloa viridis*  
*viridis*

Weed along Ry.

11168 *Panicum virgatum*  
*virgatum*

Bank along stream

11169 *Bromus tectorum*  
*Bromus tectorum*

Weed along street

Elletts Wyom. June 29

11170 *Calamovilfa longifolia*  
*longifolia*

Dry Sandy hill



*Calamagrostis montanensis*  
11171 *Calamagrostis*

Dry sandy hill

*Agropyron griffithii*  
11172 *Agropyron*

Dry sandy hill  
probably = 159

*Poa lucida*  
11173 *Poa*  
lucida

Dry hill - common

*Agropyron smithii*  
11174 *Agropyron*  
smithii

Along Ry fill

*Bromus pratensis*  
11175 *Bromus*  
montanus

Along Ry fill



11176 *Alopecurus geniculatus*  
*Alopecurus*  
*geniculatus*

Wet depression  
prairie

11177 *Festuca octoflora*  
*Festuca*  
*octoflora*

Prairie

11178 *Poa lucida*  
*Poa*  
*lucida*

Along gully

11179 *Bromus carinatus marginatus*  
*Bromus*  
*marginatus*

Along gully

11180 *Agropyron dasystachyum*  
*Agropyron*  
*dasystachyum*

Open ground in  
Valley



11181 *Agropyron dasytachyum*  
4

Side hill among  
sage brush - plants  
slender nodding

11182 *Poa lucida*  
*Poa lucida*

ditto

11183 *Poa compressa*  
*Poa compressa*

Open ground  
valley

11184 *Poa lucida*  
*Poa lucida*

ditto

11185 *Poa lucida*  
*Poa lucida*

ditto  
≤ 1 1/2 yr? copious brush  
of broad leaves



11186

*Poa lucida**Poa*

2

(lucida?)

Glen Head 1111  
valley

11187

*Bromus carinatus*  
*marginalis**Bromus*  
*marginalis*

along ditch 1111

11188

*Stipa viridula**viridula*Open ground 1111  
valley

11189

*Koeleria cristata**Koeleria*  
*cristata*

ditto 1111

11190

*Stipa comata**comata*

1111



11191 *Oryzopsis hymenoides*  
*Oryzopsis*  
*hymenoides*

Grassland hills  
valley

11192 *Agropyron tenerum*  
*Agropyron*  
*tenerum*

ditto

11193 *Agropyron smithii* *molle*  
*Agropyron* — *molle*  
(consider *molle*?)

ditto

11194 *Hordeum caespitosum*  
*Hordeum*  
*caespitosum*

ditto

~~Billings Wood~~  
11195 *Bromus carinatus* *marginalis*  
*Bromus* — *marginalis*

Along irrigated  
ditch



11196 *Schedonardus paniculatus*  
*Schedonardus*  
*paniculatus*

Dry open soil

11197 *Elymus macounii*  
*Elymus*  
*macounii*

Along irrigation  
ditch,

11198 *Sporobolus cryptandrus*  
*Sporobolus*  
*cryptandrus*

Dry open soil

11199 *Elymus condensatus*  
*Elymus*  
*condensatus*

Dry hill, rocky  
slope

11200 *Festuca octoflora*  
*Festuca*  
*octoflora*  
✓

Dry open soil



*Puccinellia nuttalliana*

11201

*Puccinellia  
nutalliana*

Damp soil in  
valley

11202

*Stipa comata*  
*Stipa  
comata*

Dry open soil

11203

*Koeleria cristata*  
*Koeleria  
cristata*

della

11204

*Elymus canadensis*  
*Elymus  
canadensis*

Low ground

11205

*Agropyron spicatum*  
*Agropyron  
spicatum*

Rocky slope  
Bunches, no rootstock



11 11206 *Aristida longiseta*  
*Aristida*  
hookeri

Rocky slope 6811

11 11207 *Oryzopsis hymenoides*  
*Oryzopsis*  
hymenoides

Rocky slope 6811

112 11208 *Bouteloua gracilis*  
*Bouteloua*  
gracilis

ditto 6811

11 11209 *Sitambion hystris*  
*Silene*  
hystris

ditto 6811

11 11210 *Agropyron smithii*  
*Agropyron*  
smithii

ditto 6811



*Agropyron tenerum*

11

11211

*Agropyron  
tenerum*

Open valley land

11

11212

*Stipa viridula*  
*Stipa  
viridula*

ditto

11811

112

11213

*Hordeum pusillum*  
*Hordeum  
pusillum*

ditto

11811

112

11214

*Sporobolus airoides*  
*Sporobolus  
airoides*

ditto

11811

112

11215

*Hordeum jubatum*  
*Hordeum  
jubatum*

ditto

11811



11216 *Spartina michauxiana*  
2 *Spartina*  
*michauxiana*

11217 *Poa lucida*  
*Poa*  
*lucida*

11218 *Puccinellia nuttalliana*  
2 *Puccinellia*  
~~*fraserensis*~~

11219 *Beckmannia erucaeformis*  
1 *Beckmannia*  
*erucaeformis*

11220 *Prunus texanum*  
*Prunus*  
*texanum*

low ground all  
valley

along river, diked  
common in valley

ditto

ditto

Went along street





Belted Wood July 2

11221 *Poa compressa*  
Poa compressa

11222 *Trisetum comessens*  
Trisetum comessens

11223 *Agropyron tenerum*  
Agropyron tenerum

11224 *Bromus carinatus*  
Bromus marginatus  
marginatus

11225 *Elymus glaucus*  
Elymus glaucus

Fill along Ry

Rocky woods

Open wooded slope

Open ground in  
moor place

Rocky hill side  
in open woods



11226 *Bromus vulgaris*  
*Bromus*  
(vulgaris)

Set

11227 *Onyopsis asperifolia*  
*Onyopsis*  
(racemosa)

11228 *Melica subulata*  
*Melica*

Set

11229 *Agrostis hiemalis*  
*Agrostis*  
*hiemalis*

11230 *Calamagrostis rubescens*  
*Calamagrostis*

Rocky hillside  
in open woods

ditto

ditto

Low open ground  
in woods

open woods



*Bromus tectorum nudum*  
11231 ~~*Bromus*~~  
*tectorum*

Weed along  
road

*Festuca occidentalis*  
11232 ~~*Festuca*~~  
*(occidentalis)*

Open woods on  
hillside

11233 *Poa*  
*(whellieri)*

Ditto

Ditto - July 3  
11234 *Festuca idahoensis*  
*(calligera)*

Gravelly open place  
In close bushes glaucous  
leaves, black + panicle slightly  
arced

*Poa palustris*  
11235 *Poa*  
*palustris*

Ditto



11236 *Koeleria cristata*  
*Koeleria*  
*cristata*

Gravelly open  
ground

11237 *Bromus secalinus*  
*Bromus*  
*secalinus*

ditto

11238 *Panicum nervale*  
*Panicum*  
*nervale*

moist gravelly  
place

11239 *Deschampsia elongata*  
*Deschampsia*  
*elongata*

ditto

11240 *Beckmannia cruciformis*  
*Beckmannia*  
*cruciformis*

ditto



11241

Poa  
(Lalungola)Open gravelly  
soil

11242

Poa  
(Lalungola)ditto  
probably = 28/1. Larger  
than preceding specimen

Deschampsia caespitosa

11243

Deschampsia  
caespitosa

ditto

11244

Carex

Wet meadows

11245

Calamagrostis inoppanna  
Calamagrostis

Rocky woods



11246 *Triticum aestivale*  
wheat

11247 *Agropyron spicatum*  
spikelet  
in row?

11248 *Cinna latifolia*  
Cinna perfoliata

11249 *Bromus carinatus*  
*Bromus marginatus*  
marginatus

11250 *Poa paddensis*  
Poa

along road side

Rocky slope  
Tern bushes and  
in small areas, short  
rooted.

Along stream  
Culms erect, Panicle  
pendulous  
McDonald Creek & Littleton  
July 7-11/81

Open ground

Damp place



11251 *Agropyron violaceum*  
*Agropyron*  
violaceum?

11252 *Agropyron caninum*  
*Agropyron*  
caninum

11253 *Poa paddensis*  
*Poa*

11254 *Melica bella*  
*Melica*  
bella

11255 *Poa leptocoma*  
*Poa*  
(*Leptocoma*)

Along stream 1081  
probably a fern  
of *Theridium*

Opening in woods 11

Alpine meadow  
7000 ft

Opening in woods:

Mossy place 10811



11256

*Phleum alpinum*  
*Phleum* ~~alpinum~~  
 alpinum

set

11257

*Poa alpina*

*Poa*  
 alpinum

set

11258

*Poa gracillima*  
*Poa*

11259

*Poa*

11260

*Deschampsia atropurpurea*  
*Deschampsia*  
 atropurpurea

set

Opening in woods  
 7000 ft

Along stream  
 open ground

Open ground

Open ground

Opening in woods  
 6000 ft



11261 *Poa gracillima*  
*Poa*

Rocky soil

11262 *Poa gracillima*  
*Poa*

Dry ground

11263 *Agrostis exarata*  
*Agrostis*  
*exarata*

Wet place

11264 *Trisetum canescens*  
*Trisetum*  
*canescens*

Damp woods

11265 *Poa annua*  
*Poa*  
*annua*

Open ground



11266

*Prunella*  
*richardsoni*

lost

11267

*Agrostis thurberiana*  
*tenuis*

11268

*Poa*

11269

*Festuca subulata*  
*subulata*

11270

*Melica smithii*  
*aristata*

st.

Opening in trees

more place

Opening in woods

Damp woods

Rich woods  
common



11271 *Festuca subulata*  
Festuca  
subulata  
3

11272 *Panicum nervata elata*  
Panicum  
nervata

11273 *Trisetum camerunense*  
Trisetum  
camerunense

11274 *Trisetum camerunense*  
Trisetum  
camerunense

11275 *Festuca subulata*  
Festuca  
subulata

Damp woods

Bog

Damp wood  
small erect

Damp woods  
small drooping

Damp woods



11276 *Bromus polyanthus*  
*Bromus*  
*polyanthus*  
St

Opening in woods

11277 *Festuca idahoensis*  
*Festuca*  
(*colligata*)

Open grassy ground

11278 *Trisetum spicatum*  
*Trisetum*  
(*conduplicatum*)  
St

Open place in woods  
Only slightly pubescent  
Stems - culms 1-3 in a  
place  
along bank in woods

11279 *Trisetum spicatum*  
*Trisetum*  
(*spicatum*?)

11280 *Poa paddensis*  
*Poa*  
(*paddensis*)  
St

Alpine meadows  
6500 ft.  
Culms mostly few in a  
tuft. Panicles green or  
purplish



Blackfoot Park, Idaho

Park - July 13

11281 *Agrostis hiemalis*  
*Agrostis geminata*  
heavily  
(geminata)

Open wet rocky  
slope

11282 *Stipa viridula*

along trail in woods

11283 *Agropyron caninum*  
look

with 28/

11284 *Agropyron caninum*  
*Agropyron*  
(caninum)  
Richardson

ditto

11285 *Agropyron spicatum*  
*Agropyron*  
(spic. in vases)

ditto



11286 *Trisetum cernuum*  
Festuca  
(subulata)

Trail in woods

11287 *Poa leptocoma*  
Poa  
(leptocoma)

Wet place along  
trail in woods

11288 *Danthonia intermedia*  
Danthonia  
intermedia

~~ditto~~ Open moist  
rocky slope 3500 ft  
1.6

11289 *Agrostis thurberiana*  
Agrostis  
cernua

ditto

11290 *Poa*  
(open?)

ditto



*Festuca rubra*  
11291 *Festuca*  
(*rubra* group?)  
set

11292 *Poa paddensis*  
*Poa*  
paddensis

11293 *Poa gracillima*  
*Poa*

11294 *Poa alpina*  
*Poa*  
alpina

11295 *Agropyron violaceum*  
*Agrop*  
violaceum

Sam - 288  
erect - small bunches  
glaucous

Alpine meadow  
east slope of S. of C. C. C. C.  
P. C.

ditto

ditto

ditto



Above the Derwells  
Mc Dermott

11296

*Poa leptocoma*

*Poa*

*leptocoma*

3

11297

*Poa*

(capitata)

11298

*Agrostis exarata*

*Agrostis*

(russa)

11299

*Festuca occidentalis*

*Festuca*

11300

*Poa palustris*

*Poa*

(biflora)

July 14

Montana

moor place  
woods

Rocky Large meadow  
bare Rock

opening in woods

alt. with 2500

~~alt.~~  
moor place in woods



11301

Poa  
(cupata)

Large nearly  
bare rock

11302

*Danthonia intermedia*  
Danthonia  
intermedia

ditto

11303

*Festuca brachyphylla*  
Festuca  
(brachyphylla)

Rocky place

11304

*Calamagrostis purpurascens*  
Calamagrostis  
(purpurascens?)

Rocky place  
cliffs in bare rock  
small bunches 1 to few  
culms.

11305

*Agropyron violaceum*  
Agropyron

Rocky place



Ouberg Lake trail July

15

11306

*Poa paddensis*

*Poa*

*paddensis*

alpinum near lower

11307

*Poa gracillima*

*Poa*

ditto  
loose bunches

11308

*Festuca scabrella*

*Festuca*

(Thunberg?)

Grassy slope on  
side of mountain  
4000 ft

McDermott Lake July 15

11309

*Poa*

On rocks at falls  
of McDermott Lake  
Blancos

11310

*Koeleria cristata*

*Koeleria*

*cristata*

ditto



11311 *Stipa viridula*  
Stipa

Clear rocks

11312 *Calamagrostis rubescens*  
Agrostis

ditto

11313 *Agropyron caninum*  
Agrop  
richardsoni

ditto

Piccan Pass July 14  
11314 *Festuca brachyphylla*  
Festuca  
brachyphylla

Alpine meadow  
7500 ft

11315 *Trisetum spicatum*  
Trisetum  
spicatum  
(pubescent)

ditto.



11316 Poa

gravelly flat 6500 ft

11317 *Festuca occidentalis*  
Festuca  
3

alpine slope  
7000 ft

11318 *Bromus pumpehianus*  
Bromus

alpine slope  
7500 ft

11319 *Agrostis exarata*  
Agrostis  
gravelly

around pond  
gravelly Poa

11320 *Poa polyachloa*  
Poa

glacial moraine  
black soil places



11321 *Poa leptocoma*  
Fish Creek July 19

11322 *Calamagrostis inaeipennis*  
*C. rubescens*  
Set

11323 *Deschampsia caespitosa*  
*Deschampsia*  
*Caespitosa*  
Set

11324 *Agrostis hiemalis*  
Meadow

11325 *Calamagrostis purpurascens*  
*Calamagrostis*  
*purpurascens*

marshy place

Wooded slope  
in dry soil - short  
root stalks.

Gravelly border of  
Lake Mc Donald  
small bunches - culms  
1-2 ft  
Gravelly soil  
near lake - a  
few forms

Rocky slope  
sunlight pass



11326

*Poa*

*Bouteloua gracilis*

Shelby, Mo. July 23

11327

*Bouteloua gracilis*

*Hordeum caespitosum*

11328

*Hordeum*  
(*caespitosum*)

*Deschampsia caespitosa*

11329

*Deschampsia*  
*caespitosa*

*Stipa viridula*

11330

*Stipa*  
*viridula*

Rueby Slope  
Summit Pass

Dry open ground

Moist ground along  
ditch

ditto

Dry open ground



11331 *Calamagrostis montana*  
*remota*  
*Calamagrostis*

Dry open ground

11332 *Elymus macounii*  
*Elymus*  
*macounii*

Along ditch  
rather dry ground

11333 *Agropyron tenerum*  
*Agropyron*  
*tenerum*

Dry open ground -  
no rootlets - not  
bunchy like *A. tenerum*.  
Stems - short - decumbent

11334 *Agropyron dasystachyum*  
*Agropyron*  
*dasystachyum?*

Dry open ground  
Large heads - leaves  
rolled, slender, numerous.

11335 *Agropyron tenerum*  
*Agropyron*  
*tenerum*

Like - bunches, culms  
tall.



11336 *Poa lucida*  
✓ (*lucida*)

Dry open ground  
in depressions

11337 *Poa palustris*  
*palustris*

ditto

11338 *Agropyron smithii*  
*Agropyron*  
*smithii*

ditto Dry open ground

11339 *Schedonardus paniculatus*  
*Schedonardus*  
*paniculatus*

ditto

11340 *Agropyron smithii*  
*Agrop.* *molle*  
*smithii*  
*molle*

ditto - near blue -  
stamens than A. *smithii*  
culms short - leaves short  
& stiff - leaves pubescent



Edmonton Alta July 25

11341 *Bromus inermis*  
*Bromus*  
*inermis*

11342 *Agropyron repens*  
*Agropyron*  
*repens*

11343 ~~*Agrostis alba*~~ *palustris*  
~~*Festuca elatior*~~  
*Festuca*  
*elatior*

11344 *Secale cereale*  
*Rye*

11345 *Hordeum trifurcatum*  
*Beardley*  
*Barley* cult

In a low moist grassy  
flat in the city - originally  
a swampy & many other diverse  
plants now.

ditto

ditto

ditto

ditto



11346 *Hordeum vulgare*  
Barley

ditto

11347 *Hordeum vulgare*  
Barley

ditto

11348 *Hordeum vulgare*  
Barley

ditto

11349 *Triticum aestivum*  
Wheat

mu

ditto

11350 *Triticum aestivum*  
Wheat

mu

ditto



11351 *Bromus secalinus* L  
*Bromus secalinus*

dello

11352 *Avena fatua glabrata*  
*Avena fatua*

dello

11353 *Agropyron repens*  
*Agropyron repens*

dello

11354 *Calamagrostis inaequalis*  
*Calamagrostis*

dello

11355 *Alopecurus aristulatus*  
*Alopecurus aristulatus*  
*aequalis Sobal*  
*fulvus*

dello



11356 *Beckmannia cruciformis* L  
Beckmannia  
cruciformis

ditto

11357 *Agrostis hiemalis* (Walt)  
Agrostis  
hiemalis BS P

ditto

11358 *Poa palustris* L  
Poa  
palustris ?

ditto - only a small  
form of P. palustris ?

11359 *Poa palustris* L  
Poa  
palustris

ditto

11360 *Hordeum jubatum* L  
Hordeum  
jubatum

ditto



11361 *Panicum grandis*  
*Panicum*  
*americanum*

st

ditto  
soft when new stalks

11362 *Stipa viridula*  
*viridula*

Grassy hillside  
large bunches

11363 *Bromus ciliatus*  
*Bromus*  
*richardsoni*

Among poplars  
pouch drooping

11364 *Agropyron tenerum*  
*Agropyron*  
(*pseudorepus*)

Among poplars

11365 *Elymus canadensis*  
*Elymus*  
*canadensis*  
(*pubescens*)

set

Grassy hillside &  
large bunches - stems  
pubescent



11366 *Agrostis (alba) palustris* Huds  
*alba*

11367 *Muhlenbergia racemosa*  
*racemosa*

11368 *Stipa spartea*  
*Spartea*

11369 *Agropyron caninum*  
*Agropyron*  
*richardsoni*

11370 *Agropyron caninum*  
*Agropyron*  
*richardsoni*  
(pubescent)

hazy hillsides

ditto

ditto

ditto  
in large bunches  
1-sided.

ditto, growing  
with 365, shrubs,  
pubescent.



11371 *Agropyron smithii*  
*Agropyron*  
*smithii*

Dry grassy bank

11372 *Agropyron smithii*  
*Agropyron*  
*smithii*  
(2-sp. form)

ditto

11373 *Muhlenbergia cuspidata*  
*Muhlenbergia*  
(*cuspidata*)

ditto

11374 *Bouteloua gracilis*  
*Bouteloua*  
*gracilis*

ditto

11375 *Agropyron smithii*  
*Agropyron*  
*smithii*

ditto



11376

*Stipa comata*  
*Stipa*  
*comata*

*delle*

05811

11377

*Bromus pumPELLIANUS*  
*Bromus*  
*pumPELLIANUS*

flat valley land

11378

*Agropyron repens*  
*Agrop*  
*repens*

Dry bank

05811

11379

*Bromus porteri*  
*Bromus*  
*porteri*

Dry grassy slope

05811

11380

*Agropyron caninum*  
*Agrop*  
*richardsoni*

*delle*

05811



11381 *Calamagrostis canadensis*  
*Calamagrostis*  
*canadensis*

11382 *Elymus innovatus*  
*Elymus*  
*innovatus*  
3

11383 *Calamagrostis inexpectata*  
*Calamagrostis*

Sp

11384 *Calamovilfa longifolia*  
*Calamovilfa*  
(longifolia)

Sl

11385 *Bromus pungens*  
*Bromus*  
(richardsonii)

Swamp.

Flat valleyland

Dry grassy slope  
in bunches with wet spots

Dry grassy slope  
perennial but not bunched

Aspen woods  
Parish lawn & creek but  
the branches drooping  
rather low & open shrub  
growth.



*Bromus ciliatus*  
11386 *Bromus*  
(*richardsoni*?)

*Bromus ciliatus*  
11387 *Bromus*

Edmonton July 26  
11388 *Cinna latifolia*

*Panicularia nervata*  
11389 *Panicularia*  
*nervata*

*Melissa purpurascens*  
11390 *Melissa*  
(*concolor*)

Aspen woods in  
openings. Sheaths much  
whole panicle nodding  
more compact & smaller  
than 385

growing with 386. Sedges  
which same but sheaths  
hispid pubescent. 386  
& 387 seem to be different  
from 385

Wooded ravine by  
stream.

ditto

Wooded ravine  
along bank



*Puccinellia nuttalliana*

11391 *Puccinellia*

Open grassy marsh

*Calamagrostis inermis*

11392 *Calamagrostis*

Low prairie

*Hordeum caespitosum*

11393 *Hordeum*  
*caespitosum*

ditto

*Poa palustris*

11394 *Poa*  
*palustris*

ditto

*Koeleria cristata*

11395 *Koeleria*  
*cristata*

ditto



*Aira*  
(*Deschampsia*) *caespitosa* L.  
11396 *Deschampsia*  
*caespitosa*

*Sphenopholis pallens*  
11397 *Sphenopholis*

~~*Atraboce laudens*~~

*Panicularia grandis*  
11398 *Panicularia*  
*grandis*

*Calamagrostis canadensis*  
11399 *Calamagrostis*  
*canadensis*

*Elymus innovatus*  
11400 *Elymus*  
*innovatus*

little

little

~~all~~ ~~July 28~~

swamp

shady bank

Sandy bank  
In new ground this  
grows in large bunches.  
In old ground, well to be in  
small bunches 1-2 culms



11401 *Alopecurus* <sup>*alqualis Sobal*</sup>  
*alqualis* <sup>*(aristulatus)*</sup>  
*fulvus*

Wet place

11402 *Panicularia* <sup>*nervata*</sup>  
*nervata*

Small swamp

11403 *Beckmannia* <sup>*eruciformis*</sup>  
*eruciformis*

along ditch

11404 *Bromus* <sup>*pumPELLIANUS*</sup>  
*pumPELLIANUS*

Grassy place

11405 *Bromus* <sup>*inermis*</sup>  
*inermis*

Open ground



*Avena sativa*  
11406 *Avena*

along Ry

11407 *Cinna latifolia*  
*latifolia*

moist thickets

*Agropyron tenerum*  
11408 *Agropyron*  
*tenerum*

Open ground  
thicket with thick  
faded spots

*Bromus ciliatus*  
11409 *Bromus*  
*melchiorii*  
(Habron)

thickets

*Poa palustris*  
11410 *Poa*  
*palustris*

Open ground,  
very common in swamp  
and moderately dry soil



11411 *Melica purpurascens*  
*Melica*  
(suecica)

thickets

11412 *Agropyron tenerum*  
*Agropyron*  
*tenerum*

open ground  
common

11413 *Sphenopholis pallens major*  
*Sphenopholis*

moorland

11414 *Agropyron caninum*  
*Agropyron*  
*caninum*

open ground  
very common

11415 *Agrostis humilis*  
*Agrostis*  
*humilis*

moor open  
ground



*Poa pratensis*

11416

Poa  
pratensis

Open ground. Spikes  
many flowered

*Bromus ciliatus*

11417

Bromus  
ciliatus  
(proliferant)

Open ground  
appears to be  
dying between  
this & the station  
except the proliferant,  
along by

*Secale cereale*

11418

Rye

along by

*Triticum aestivum*

11419

Wheat  
white chaff

along by

*Hordeum vulgare*

11420

Barley  
2-rowed

along by



(*Aira*) *Berchampsia* *caespitosa* <sup>R</sup>  
11421 *Drychamps*  
*caespitosa*

*Hordeum jubatum*  
11422 *Hordeum*  
*jubatum*

11423 *Festuca*

*Puccinellia nuttalliana*  
11424 *Puccinellia*

*Agropyron repens*  
11425 *Agropyron*  
*repens*

along river

mountain  
common

Sandy soil a few  
miles south of Chabon

along ditch

along R. fill



11426 *Agrostis palustris* Huds  
*Agrostis (alba)*  
alba

open moist  
ground

11427 *Triticum aestivum*  
wheat  
smooth chaff  
beardless

along Ry

~~11427 1/2 Calamagrostis~~  
11428 *Hordeum vulgare*  
Barley  
common

along Ry

11429 *Calamagrostis inextensa*  
*Calamagrostis*

along ditch

11430 *Poa palustris*  
Poa  
palustris

moist ground  
an exl. large panicle  
green



11431 *Calamagrostis neglecta*  
*Calamagrostis*

11432 *Eritricum aestivum*  
*Festuca saximontana*  
*minut. fl.* Rydb.  
Whisk  
bearded

11433 *Promus scaberrimus*  
*Promus*  
*scaberrimus*

11434 *Koeleria cristata*  
*Koeleria*  
*cristata*

11435 *Oxyopsis purpurea*  
*Oxyopsis*  
*(purpurea)*



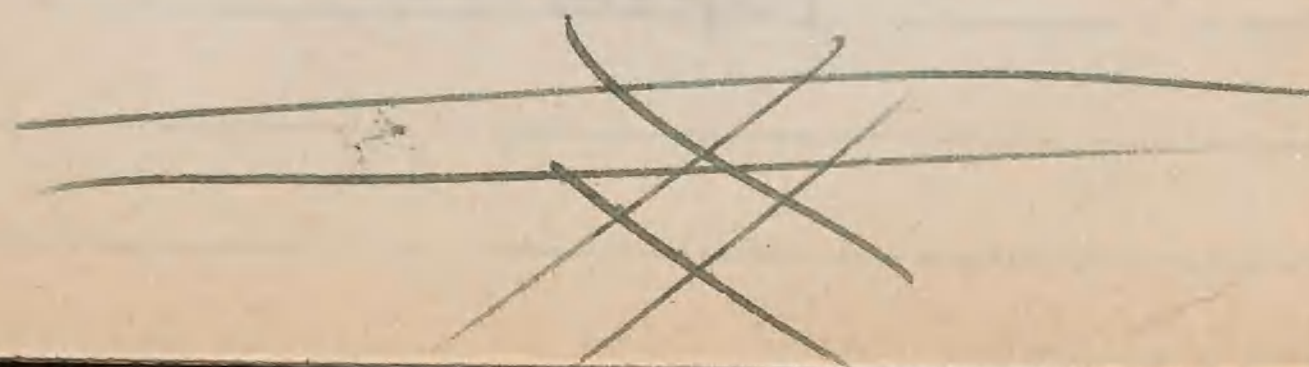
Sandy soil

along Ry

along Ry

Prætorie

Sandy soil





Calgary Alta, July 30

*Agropyron smithii*

11436 *Agropyron*

*Agropyron caninum*

11437 *Agropyron*  
*indusum*

*Calamagrostis montanensis*

11438 *Calamagrostis*

*Elymus canadensis*

11439 *Elymus*  
*canadensis*

*Agrostis hiemalis*

11440 *Agrostis*  
*hiemalis*

Prairie

Open valley land  
in bunch of brush

Dry prairie

Aspen thickets  
in valley

Open more ground



11441 *Festuca elatior*  
*Festuca*  
*elatior*

Open valley land

11442 *Muhlenbergia squarrosa*  
*Muhlenbergia*  
*richardsoni*

ditto

11443 *Poa palustris*  
*Poa*  
*palustris*

ditto

11444 *Agropyron caninum*  
*Agropyron*  
*richardsoni*

ditto - The smaller  
form in open gravel

11445 *Sphenopholis obtusata lobata*  
*Sphenopholis*

~~Aspen~~ thick  
moist grassy place



*Bromus ciliatus*  
11440 *Bromus*  
*richardsoni*

*Spartina gracilis*  
11447 *Spartina*  
*gracilis*

*Panicularia nervata*  
11446 *Panicularia*  
*nervata*

*Bromus inermis*  
11449 *Bromus*  
*inermis*

*Beckmannia erucaeformis*  
11450 *Beckmannia*  
*erucaeformis*

*Asper thickit*

*Pacensis*

moist grassy place

valley land

moist grassy place



11451

*Calamagrostis canadensis*

*Calamagrostis canadensis*

Aspen Thicket

11452

*Stipa comata*

*Stipa comata*

Pravir

11453

*Panicum grandis*

*Panicum grandis*

Mud grey place

11454

*Agropyron dasystachyon*

*Agropyron dasystachyon*

Pravir

11455

*Poa lucida*

*Poa lucida*

Mud grey place



11456 *Hordeum caespitosum*  
*Hordeum*  
*caespitosum*

Moist grassy place

11457 *Stipa viridula*  
*Stipa*  
*viridula*

Dry slope

11458 *Hordeum jubatum*  
*Hordeum*  
*jubatum*

Open valley land

11459 *Agrostis alba maritima* Lam.  
*Agrostis*  
(maritima)

ditto

11460 *Bromus pumpehianus*  
*Bromus*  
*pumpehianus*

ditto



11461 *Agropyron tenerum*  
*Agropyron*  
*tenerum*

Open valley land

11462 *Agropyron dasystachyum*  
*Agropyron*  
(*subullosum*)

ditto

11463 *Calamovilfa longifolia*  
*Calamovilfa*

ditto

11464 *Calamagrostis inermis*  
*Calamagrostis*

ditto - near river

11465 (*Aira*) *Deschampsia caespitosa* L.  
*Deschampsia*  
*caespitosa*

ditto - ditto



*Puccinellia nuttalliana*

11466

*Puccinellia  
nuttalliana*

*Poa compressa*

11467

*Poa  
compressa*

~~Barriff - July 31~~

11468

*Stipa richardsonii*  
*richardsonii*

11469

*Calamagrostis canadensis*  
*canadensis*

*Panicularia grandis*

11470

*Panicularia  
grandis*

dell - dell

~~Open valley land~~

Open valley land  
among trees

along river

Swamp



11471 *Bromus pumpeleianus*  
*Bromus pumpeleianus*

along R. in gravelly  
soil

11472 *Agropyron dasystachyum*  
*Agropyron dasystachyum*  
sd

Open sandy  
valley land  
with black & green

11473 *Agropyron violaceum*  
*Agropyron violaceum*

Thickets in valley  
partially compound  
spike

11474 *Poa buckleyana*  
*Poa sandeepi*

ditto

11475 *Muhlenbergia squarrosa*  
*Muhlenbergia squarrosa*

open valley land



11476 *Calamagrostis inexpectata*  
*Calamagrostis*

Swamp

11477 *Beckmannia cruciformis*  
*Beckmannia*  
*cruciformis*

Swamp

11478 *Puccinellia nuttalliana*  
*Puccinellia*  
*canadensis*

Open bally land

11479 *Agrostis hiemalis*  
*Agrostis*  
*hiemalis*

Wet

11480 *Alopecurus (aristulatus) alqualis*  
*Alopecurus*  
*fulvus*

Swamp



11481 *Agropyron caninum*  
A grass  
richardson

11482 *(Aira) Deschampsia caespitosa*  
Deschampsia  
caespitosa

11483 *Trisetum topioides*  
Trisetum

11484 *Poa palustris*  
Poa  
palustris

11485 *Bromus pumellianus*  
Bromus  
pumellianus

Thickets in valley

swamp

Thickets in valley

dell

dell



11486 *Agropyron tenerum*  
Agropyron  
tenuum

11487 *Hordeum jubatum*  
Hordeum  
jubatum

11488 *Elymus innovatus*  
Elymus  
innovatus

11489 *Festuca multiflora*  
Festuca  
multiflora

11490 *Calamagrostis inexpansa*  
Calamagrostis  
inexpansa

ditto

Open valley land

ditto

ditto

ditto



11491 *Poa compressa*  
*Poa compressa*

dell

1841

11492 *Hordeum caespitosum*  
*Hordeum caespitosum*

moor grass land

11493 *Poa rupicola*  
*Poa rupicola*

Summit of Sulphur  
Mt. Open rocky  
ground

11494 *Festuca brachyphylla*  
*Festuca (brachyphylla)*

dell

1841

11495 *Agropyron violaceum*  
*Agropyron violaceum*

dell - somewhat  
spreading



11496

*Trisetum spicatum*

Trisetum  
spicatum

ditto

11497

*Poa alpina*

Poa  
alpina

Near summit  
of Sulphur Mt  
open woods

11498

*Poa buckleyana*

Poa

ditto

11499

Poa

ditto

11500

Poa

ditto



11501

*Poa pratensis*

3

11502

*Torresia*  
*(Savastana) odorata*  
*Savastana*  
*odorata*

11503

*Koeleria cristata*  
*Koeleria*  
*cristata*

11504

*Colanagrostis purpurea*  
*Colanagrostis*  
*purpurea*

11505

*Poa lucida*  
*Poa*

*Letto*  
Shady bank - side  
of Sulphur Ave

*Letto*

*Letto* Open slope

*Letto*

*Letto*



11506

*Stipa viridula*  
Stipa  
viridula

11507

*Poa paddensis*  
Poa

11508

*Calamagrostis inexpectata*  
Calamagrostis

11509

*Muhlenbergia racemosa*  
Muhlenbergia  
racemosa?

11510

*Poa alpina*  
Poa  
alpina

Delta

blue but green  
glauces.

dry wooded slope

near hot spring

open woods  
base of Stephen Mt



*Panicum thermale*

11511

*Panicum*  
(*thermale*?)

on declining wet  
with water from hot  
spring

*Sphenopholis pallens major*

11512

*Sphenopholis*

around warm  
spring

*Elymus glaucus*

11513

*Elymus*  
*glaucus*

ditto  
pulverulent

*Calamagrostis rubescens*

11514

*Calamagrostis*

open woods

*Poa annua*

11515

*Poa*

around warm spring



*Panicularia nervata*  
11516 *Panicularia*  
*nervata*

~~Field, B.L. Aug 1~~  
11517 *Dracopis* *Dracopis*  
*occidentalis*

11518 *Poa*

*Poa alpina*  
11519 *Poa*  
*alpina*

*Poa rupestris*  
11520 *Poa*  
*rupestris*

Swamps -

~~Swamps -~~  
Wooded slope  
of Mt. Beuger

Beuger Pass  
open wet soil

ditto

ditto



11521 *Poa alpina*  
*Poa*  
alpina

Open slope below  
Pass, the ordinary  
form

11522 *Poa gracillima*  
*Poa*

ditto

11523 *Agropyron melanicum*  
*Agrop*  
melanicum

ditto

11524 *Poa paddensis*  
*Poa*  
paddensis

ditto

11525 *Phleum alpinum*  
*Phleum*  
alpinum

ditto



11526

Sedge

ditto

11527

*Danthonia intermedia*

*Danthonia intermedia*

moor mossy  
place - ditto

11528

*Beschampsia atropurpurea*

*Saxifraga atropurpurea*

shady slope - ditto

11529

*Calamagrostis canadensis*

*Calamagrostis*

Dry slope

11530

*Trisetum spicatum*

*Trisetum spicatum*

ditto



11531

*Calamagrostis purpurascens*  
*Calamagrostis purpurea*

Dry slope

11532

*Cinna latifolia*  
*Cinna latifolia*

Woods near river

11533

*Poa alpina*  
*Poa alpina*

Shady slope at low altitude - a large forest

11534

*Elymus innovatus*  
*Elymus innovatus*

Open woods near river

11535

*Agropyron caninum*  
*Agropyron caninum*

ditto



11536

*Elymus glaucus*

*Elymus  
glaucus*

detto

11537

*Bromus richardsonii*

*Bromus  
richardsonii*

detto

11538

*Melica purpurascens*

*Melica  
purpurascens*

detto

11539

*Poa palustris*

*Poa  
palustris*

detto

11540

*Poa interior*

*Poa  
interior*

detto



11541 *Calamagrostis canadensis*  
*Calamagrostis*  
Field - Aug 2, Along Ry

11542 *Oenothera*

11543 *Bromus inermis*  
*Bromus*  
*inermis*

11544 *Calamagrostis purpurascens*  
*Calamagrostis*

11545 *Agropyron tenerum*  
*Agropyron*

ditto  
embankment or between  
field & the tunnel east

Open ground

Gravelly field along  
Ry

Dry gravelly slope

ditto



11546 *Hordeum caespitosum*  
*Hordeum*  
*Caespitosum*

11547 *Bromus carinatus*  
*Bromus marginatus*  
*marginatus*

11548 *Trisetum spicatum*  
*Trisetum*  
*dissectum*

11549 *Dactylis*  
*glomerata*

11550 *Poa buckleyana*  
*Poa*  
*sandbergii*

*ditto*

Open ground

*ditto*

*ditto*

*ditto*  
Large brushy jam  
a compact mass of  
bark



11551 *Saxatana odorata*  
*Saxatana*  
*odorata*

dry slope

11552 *Bromus richardsonii*  
*Bromus*  
*richardsonii*

set

dry slope,  
globos - only ch  
lowermost sheath  
pubescent.

11553 *Agropyron violaceum*  
*Agropyron*  
(*Agropyron*)

ditto

11554 *Bromus pumpellianus*  
*Bromus*  
*pumpellianus*

ditto

11555 *Calamagrostis canadensis*  
*Calamagrostis*  
*canadensis*

ditto



11556

*Calamagrostis canadensis*  
*Calamagrostis*  
*canadensis*

little

11557

*Poa interior*  
*Poa*  
*interior*

little

11558

*Festuca brachyphylla*  
*Festuca*  
(*brachyphylla*)

little

11559

*Agrostis alba*  
*Agrostis*  
*alba*

rust soil

11560

*Hordeum jubatum*  
*Hordeum*  
*jubatum*

little Open pond



11561 *Agropyron tenerum*  
*Agropyron tenerum*

11562 *Poa compressa*  
*Poa compressa*

11563 *Puccinellia nuttalliana*  
*Puccinellia nuttalliana*

11564 *Agrostis hiemalis*  
*Agrostis hiemalis*

11565 *Deschampsia caespitosa*  
*Deschampsia caespitosa*

ditch

ditch

along ditch

open moist  
ground

ditch



11566 *Poa palustris*

~~Poa palustris~~

Glacier Bl. Aug 3

11567 Poa

11568 Poa

It

11569 Poa  
(~~reflexa~~)

11570 *Poa reflexa*

Poa  
(*reflexa*)

~~ditto - the same  
form~~

~~ditto~~ Illiwellwaet  
Moraine of Illiwellwaet  
Glacier. Part of a large  
mush. Probable same  
as 568 but greener  
ditto. smaller (up  
bunches (or much 5, 100 culms)  
radial in all directions.

= 568 but some of the  
large panicle. Ditto

ditto



11571 *Poa arctica*  
Poa

ditto, May = 5678  
but has different aspect

11572 Poa

ditto, Proboscis = 11  
5678

11573 *Agrostis hiemalis*  
*Agrostis* *geminata*  
mounds

Open ground  
below the glacier  
Pine branches short &  
scarcely scabrous  
Open woods ditto

11574 *Trisetum spicatum*  
*Trisetum*  
*Spergulum*  
(pulverulent)

11575 *Poa annua*  
Poa  
annua

Open ground



11576 Poa

shady place  
moor benches

11577 *Carex latifolia*  
*latifolia*

moist shady place

11578 *Phleum alpinum*  
*alpinum*

Open ground  
below glacier

11579 *Poa leptocoma*  
*Poa leptocoma*

moist shady place

11580 *Agrostis exarata*  
*exarata*

ditto



11581 *Agrostis thurberiana*

Agrostis  
thurberiana  
ligularis?

Open moist mossy  
ground

11582 *Panicularia nervata elata*  
Panicularia  
nervata

along stream

11583 *Calamagrostis canadensis*  
Calamagrostis  
canadensis

Open woods

11584 *Deschampsia atropurpurea*  
Deschampsia  
atropurpurea

ditto

11585 *Elymus hirsutus*  
Elymus  
hirsutus

Open woods  
Pan. nodding



11586 *Bromus carinatus*  
*marginalis*  
*marginalis*

Open grassy ground

11587 Camp

Common on alpine  
meadows of the Ab-  
bot

11588 Camp

The dominant plant  
on upper part of the  
Abbot

Aug 4  
11589 *Poa alpina*  
*Poa*  
*alpina*

Open ground  
Abbeian Valley

11590 *Poa leptocoma*  
*Poa*  
*leptocoma*

Wet mossy ground  
Abbeian Valley



11591

*Poa arctica**Poa*

get

11592

*Agrostis**exaristata*(or *versata*?)

11593

Revelstoke, B. C.

*Triticum aestivale*

Wheat

11594

*Calamagrostis inexpectata**Calamagrostis*

11595

*Poa palustris**Poa**palustris*

*Microium gasulaceum*  
 glaucous. Culms dark  
 or few a bush spreading  
 at base

*gasulaceum*  
 near *glacium*

Aug 5

Along R.

Dry wooded bank

Moist shady spot  
 slender stalk, straggling  
 up through bushes.



11596 *Bromus carinatus*  
*marginatus*  
*Bromus*  
*marginatus*

Dry open ground  
Sheep's pasture

11597 *Cynodon latifolia*  
*latifolia*

Moist thicket

11598 *Agrostis exarata*  
*exarata*  
*exarata*

Moist place

11599 *Bromus carinatus*  
*marginatus*  
*Bromus*  
*marginatus*

Dry open ground  
Richly globous

11600 *Agropyron repens*  
*repens*  
*repens*

Along ditch



11601 *Agrostis alba maritima*  
4 *Agrostis maritima*

11602 *Agrostis maritima*

11603 *Triticum aestivum*  
Club wheat

Search Aug 8 - near  
11604 *Cyperus latifolius*

11605 *Agrostis alba maritima*  
*Agrostis maritima*

Bank above  
ditch

Along ditch, ch  
run, floodway  
on the shore.

Along R. 6/11

University  
Shady moist woods.

ditto  
a very large form



*Panicularia nervata elata*  
11606 *Panicularia*  
(*latifolia*)

*Panicularia pauciflora*  
11607 *Panicularia*  
*pauciflora*

*Agrostis alba maritima*  
11608 *Agrostis*  
*maritima*

*Agrostis exarata microphylla*  
11609 *Agrostis*  
*microphylla*?

*Panicularia pauciflora*  
11610 *Panicularia*  
*pauciflora*

probably distinct from  
*P. nervata*  
Shady swamp. 1111  
1st sheet shows flower  
eaten - 2d sheet the flower  
eaten or removed.  
Shady swamp. 1111  
Very tall.

*ditto*

Shady moist woods

*ditto*  
= 607 but not so tall



*Panicularia leptostachya*  
11611 *Panicularia*  
(*bucalis*)

Set *Elymus glaucus japoni*  
South - Aug 9 Along shore

11612 *Elymus*  
*glaucus*  
(*pubescens*)

11613 *Elymus*  
*americanus*

*Festuca rubra*  
11614 *Festuca*  
*rubra*

*Agropyron tenerum*  
11615 *Agropyron*  
4

Open  
Swamp

of sound.

edge of woods by water  
appears to differ from  
the snowed forest only  
in pubescence.

Sand of sea beach

Sand of beach  
*glaucus*

Sand of sea beach  
no rootlets - except  
that ones in the loose  
beach.



11616 *Distichlis* ♂  
*spicata*

moist depression  
in sandflat near track

11617 *Distichlis* ♀  
*spicata*

ditto  
= 11616

11618 *Agrostis exarata*  
*varia*

moist spot along  
road

11619 *Agrostis exarata*  
*microphylla*  
*microphylla*

ditto

*Panicularia pauciflora*  
11620 *Panicularia*  
*pauciflora*

new ground - dry  
margin of road



11621 *Bromus carinatus*  
*Bromus*  
*carinatus*

margin of woods  
perennial, or possibly  
biennial

11622 *Puccinellia maritima*  
*Puccinellia*

along sea shore &  
sandy soil.

set

11623 *Agrostis exarata*  
*Agrostis* *microphylla*  
*microphylla*

moist ground  
along road at edge  
of woods.

set

11624



11625 *Agrostis alba maritima*  
see next book  
after 11630





116

116

Set

116

Set

116

116



6553





